Exhibit B Category Budget

Budget Category Item	PIE	R Share (\$)	Ma	atch Share (\$)	,	Total Cost (\$)
Personnel:						
	<u></u> σ	CO 05.4	Φ.	40.044	Φ	400.005
Direct Labor	\$	62,954	\$	46,041	\$	108,995
Fringe Benefits	\$	26,754	\$	19,568	\$	46,322
Total Personal Services	\$	89,708	\$	65,609	\$	155,317
Operating Expenses:						
Travel	\$	30,679	\$	4,374	\$	35,053
Equipment	\$	-	\$	-	\$	-
Materials / Supplies	\$	-	\$	27,926	\$	27,926
Contractual	\$	100,000	\$	330,000	\$	430,000
Miscellaneous			\$	14,500	\$	14,500
Total Operating Expenses	\$	130,679	\$	376,800	\$	507,479
Overhead:						
Overhead	\$	115,724	\$	84,636	\$	200,360
Total Overhead	\$	115,724	\$	84,636	\$	200,360
		·		·		,
Total	\$	336,111	\$	527,045	\$	863,156
G&A	\$	63,862	\$	37,438	\$	101,300
Total	\$	399,973	\$	564,483	\$	964,456

Exhibit B Budget Details

Direct Labor, Unloaded Hourly Rates

Title / Job Classification	_	aximum Rate o be Billed* (\$ / Hr)	Number of Hours	PII	ER Share	Match Share	То	tal Cost
Professional Level I (Apr 10 - Mar 11; Priced at \$25.24 -\$26.25)	\$	36.40		\$	-	\$ _	\$	_
Professional Level II (Apr 10 - Mar 11; Priced at \$31.67 - \$32.94)	\$	42.64		\$	-	\$ -	\$	_
Professional Level III (Apr 10 - Mar 11; Priced at \$38.67 - \$40.22) - Chun	\$	52.00	378	\$	14,979	\$ -	\$	14,979
Professional Level IV (Apr 10 - Mar 11; Priced at \$49.12 - \$51.08) - David	\$	75.92	531	\$	26,704	\$ _	\$	26,704
Professional Level V (Apr 10 - Mar 11; Priced at \$55.17 - \$57.38)	\$	78.00		\$	-	\$ _	\$	
Professional Level VI (Apr 10 - Mar 11; Priced at \$66.35 - \$69.00)	\$	83.20		\$	-	\$ _	\$	_
Professional Level VII (Apr 10 - Mar 11; Priced at \$78.02 - \$81.14)	\$	88.40		\$	-	\$ -	\$	_
Technical Level I (Apr 10 - Mar 11; Priced at \$17.66 - \$18.37)	\$	22.88		\$	-	\$ -	\$	_
Technical Level II (Apr 10 - Mar 11; Priced at \$18.59 - \$19.33)	\$	26.00		\$	-	\$ -	\$	-
Technical Level III (Apr 10 - Mar 11; Priced at \$23.17 - \$24.10)	\$	29.12		\$	-	\$ -	\$	-
Technical Level IV (Apr 10 - Mar 11; Priced at \$26.45 - \$27.51)	\$	32.24		\$	-	\$ -	\$	-
Technical Level V (Apr 10 - Mar 11; Priced at \$28.95 - \$30.11)	\$	33.28		\$	-	\$ -	\$	-
Administrative (Apr 10 - Mar 11; Priced at \$31.75 - \$33.02)	\$	38.48		\$	-	\$ -	\$	-
Professional Level I (Apr 11 - Oct 11; Priced at \$26.25)	\$	36.40		\$	-	\$ -	\$	-
Professional Level II (Apr 11 - Oct 11; Priced at \$32.94)	\$	42.64		\$	-	\$ -	\$	-
Professional Level III (Apr 11 - Oct 11; Priced at \$40.22) - Chun Choi	\$	52.00	144	\$	6,023	\$ -	\$	6,023
Professional Level IV (Apr 11 - Oct 11; Priced at \$51.08) - David Cygan	\$	75.92	287	\$	15,248	\$ -	\$	15,248
Professional Level V (Apr 11 - Oct 11; Priced at \$57.38)	\$	78.00		\$	-	\$ -	\$	-
Professional Level VI (Apr 11 - Oct 11; Priced at \$69.00)	\$	83.20		\$	-	\$ -	\$	-
Professional Level VII (Apr 11 - Oct 11; Priced at \$81.14)	\$	88.40		\$	-	\$ -	\$	-
Technical Level I (Apr 11 - Oct 11; Priced at \$18.37)	\$	22.88		\$	-	\$ -	\$	-
Technical Level II (Apr 11 - Oct 11; Priced at \$19.33)	\$	26.00		\$	-	\$ -	\$	-
Technical Level III (Apr 11 - Oct 11; Priced at \$24.10)	\$	29.12		\$	-	\$ -	\$	-
Technical Level IV (Apr 11 - Oct 11; Priced at \$27.51)	\$	32.24		\$	-	\$ -	\$	-
Technical Level V (Apr 11 - Oct 11; Priced at \$30.11)	\$	33.28		\$	-	\$ -	\$	-
Administrative (Apr 11 - Oct 11; Priced at \$33.02)	\$	38.48		\$	-	\$ -	\$	-
Professional Level III (Nov 09 - Mar 10; Priced at \$45.97) - Chun Choi	\$	52.00	25	\$	-	\$ 1,149	\$	1,149
Professional Level IV (Nov 09 - Mar 10; Priced at \$58.41) - David Cygan	\$	75.92	67	\$	-	\$ 3,913	\$	3,913
Technical Level II (Nov 09 - Mar 10; Priced at \$20.55)	\$	26.00	82	\$	-	\$ 1,685	\$	1,685
Professional Level III (Apr 10 - Mar 11; Priced at \$47.81)	\$	52.00	158	\$	-	\$ 7,553	\$	7,553
Professional Level IV (Apr 10 - Mar 11; Priced at \$60.74)	\$	75.92	227	\$	-	\$ 13,789	\$	13,789
Technical Level V (Apr 10 - Mar 11; Priced at \$33.75)	\$	33.28	460	\$	-	\$ 15,523	\$	15,523
Professional Level III (Apr 11 - Oct 11; Priced at \$49.72)	\$	52.00	12	\$	-	\$ 597	\$	597
Professional Level IV (Apr 11 - Oct 11; Priced at \$63.17)	\$	75.92	29	\$	-	\$ 1,832	\$	1,832
		Tota	l Direct Labor	\$	62,954	\$ 46,041	\$	108,995

^{*} Maximum salary rates are caps: PIER will not reimburse at a higher rate over the term of the project.

Fringe Benefits	F	inc	е В	en	efits
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Title / Job Classification	Maximum % Rate to be Billed*	Base (Typically Total Direct Labor)	PIE	R Share	-	Match Share	Tot	tal Cost
Applicable to all Labor Categories/Job Classifications	42.5%	\$108,994.00	\$	26,755	\$	19,568	\$	46,323
	Total F	ringe Benefits	\$	26.755	\$	19.568	\$	46.323

^{*} Maximum fringe benefit rates are caps: PIER will not reimburse at a higher rate over the term of the project.

Travel**

Location	Purpose	Number of Trips	People per Trip	PIER Share*				Tot	tal Cost
Los Angeles, CA	Attend Kick-off Meeting	1	2	\$	2,986	\$		\$	2,986
Los Angeles, CA	Critical Project Review	2	2	\$	6,816	\$		\$	6,816
Los Angeles, CA	Final Meeting	1	2	\$	3,408	\$		\$	3,408
Los Angeles, CA	Host Site Visit	1	1	\$	1,667	\$		\$	1,667
Los Angeles, CA	Design Review	1	2	\$	3,184	\$		\$	3,184
Los Angeles, CA	Field Install	2	2	\$	8,244	\$		\$	8,244
Los Angeles, CA	Data Collection	4	1	\$	4,374	\$	4,374	\$	8,748
			Total Travel	\$	30,679	\$	4,374	\$	35,053

Equipment

Item	Quantity	Unit Cost	PIER Share	Match Share	Total Cost
		\$ -	\$ -	\$ -	\$ -
		Total Equipment	\$ -	\$ -	\$ -

Materials, Supplies

materials, Supplies	Item	Quantity	Unit Cost	PIER Share	Match Share	Total Cost
Pump and piping	TBD	misc	\$ -	\$ -	\$ 16,000	\$ 16,000
Thermocouples and test equipment	TBD	misc	\$ -	\$ -	\$ 11,926	\$ 11,926
		Total Materials	and Supplies	\$ -	\$ 27,926	\$ 27,926

Contractual

Subcontractor Name	Purpose	PIER Share		PIER Share		Purpose Pier Share I		Match Share		То	tal Cost
B2U Solar	Attend Kick-off Meeting	\$	-	\$	700	\$	700				
B2U Solar	Critical Project Review Meetings	\$	-	\$	6,000	\$	6,000				
B2U Solar	Final Meeting	\$		\$	1,000	\$	1,000				
B2U Solar	Monthly Progress Reports	\$		\$	4,000	\$	4,000				
B2U Solar	Final Report	\$		\$	7,500	\$	7,500				
B2U Solar	Identify and Obtain Matching Funds	\$		\$	500	\$	500				
B2U Solar	Identify and Obtain Required Permits	\$		\$	4,500	\$	4,500				
B2U Solar	Host Site Agreement	\$	-	\$	2,500	\$	2,500				
B2U Solar	Host Site Agreement	\$	3,000	\$	-	\$	3,000				
B2U Solar	Design, Engineering, and Fabrication	\$	10,000	\$	140,000	\$	150,000				
B2U Solar	Laboratory Validation	\$	3,000	\$	6,000	\$	9,000				
B2U Solar	Field Unit Installation and Shakedown	\$	33,000	\$	70,000	\$	103,000				
B2U Solar	Data Collection, Processing, and Analysis	\$	15,000	\$	17,300	\$	32,300				

^{*} PIER Share: Travel is reimbursed at State rates. Higher travel costs can count as Match Share.

** Trips listed as "to be determined (TBD)" require advanced written approval from Commission Project Manager.

Exhibit B Budget Details

B2U Solar	Design Commercial Packages for Other Applications	\$ 8,000	\$ 13,000	\$ 21,000
B2U Solar	Technology Transfer Activities	\$ 16,000	\$ 16,000	\$ 32,000
B2U Solar	Production Readiness Plan	\$ 12,000	\$ 11,000	\$ 23,000
Miller Brewing Co	Field Unit Installation and Shakedown	\$ -	\$ 30,000	\$ 30,000
	Total Contractua	\$ 100,000	\$ 330,000	\$ 430,000

Miscellaneous

Item	Pu	rpose	•			PIER Share	Match Share	Tot	al Cost
Outside Contractor-Supporting structure	TBD		1	\$	-	\$ -	\$ 14,500	\$	14,500
			Total I	Miscella	neous	\$ -	\$ 14,500	\$	14,500

Overhead

Name of Overhead	Overhead Base*	Maximum % Rate to be Billed**		Base Cost	PII	ER Share	Match Share	To	otal Cost
Labor Overhead	Direct Labor + Fringe Benefits	129%	\$	155,318.00	\$	115,724	\$ 84,636	\$	200,360
G&A	Direct Labor + Fringe Benefits + Travel + Equipment + Materials,Supplies + Miscellaneous + Labor Overhead + Contractual	19%	\$	533,156.00	\$	63,862	\$ 37,438	\$	101,300
		To	ota	l Overhead	\$	179,586	\$ 122,074	\$	301,660

^{*} Base: Define cost categories used to charge Overhead rate, e.g., Total Labor, Total Direct Cost, Materials, Subcontracts, etc.

^{**} Maximum Indirect Overhead rates are caps: PIER will not reimburse at higher rates over the term of the project.

Exhibit B Budget Summary by Task

Task#	Task Name	PIER Funding (\$)	Match Funding (\$)	Total (\$)
1.1	Attend Kick-off Meeting	\$11,735	\$700	\$12,435
1.2	Critical Project Review Meetings	\$31,255	\$6,000	\$37,255
1.3	Final Meeting	\$15,855	\$1,000	\$16,855
1.4	Monthly Progress Reports	\$4,779	\$4,000	\$8,779
1.5	Final Report	\$22,897	\$7,500	\$30,397
1.6	Identify & Obtain Matching Funds	\$0	\$500	\$500
1.7	Identify & Obtain Required Permits	\$0	\$4,500	\$4,500
2	Host Site Agreement	\$18,143	\$11,852	\$0
3	Design, Engineering, and Fabrication	\$56,599	\$156,851	\$213,450
4	Laboratory Validation	\$3,570	\$169,709	\$173,279
5	Field Unit Installation and Shakedown	\$85,954	\$114,053	\$200,007
6	Data Collection, Processing, and Analysis	\$71,686	\$38,387	\$110,073
7	Design Commercial Packages for Other Applications	\$44,180	\$22,431	\$66,611
8	Technology Transfer Activities	\$19,040	\$16,000	\$35,040
9	Production Readiness Plan	\$14,280	\$11,000	\$25,280
	Total	\$399,973	\$564,483	\$934,461

Exhibit B PIER Funding By Task

PIER Funding (\$)		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
Task	Project Administration Activities										
1.1	Attend Kick-off Meeting	2,107	895	2,986					3,873	1,874	\$11,735
1.2	Critical Project Review Meetings	5,960	2,533	6,816					10,956	4,990	\$31,255
1.3	Final Meeting	3,039	1,291	3,408					5,586	2,531	\$15,855
1.4	Monthly Progress Reports	1,231	523						2,262	763	\$4,779
1.5	Final Report	5,896	2,506						10,839	3,656	\$22,897
1.6	Identify and Obtain Matching Funds										\$0
1.7	Identify and Obtain Required Permits										\$0
	Administration Activities Subtotals	\$18,233	\$7,748	\$13,210	\$0	\$0	\$0	\$0	\$33,516	\$13,814	\$86,521
Task	Project Technical Activities										
2	Host Site Agreement	3,242	1,378	1,667			3,000		5,959	2,897	\$18,143
3	Design, Engineering, and Fabrication	10,535	4,477	3,184			10,000		19,366	9,037	\$56,599
4	Laboratory Validation						3,000			570	\$3,570
5	Field Unit Installation and Shakedown	9,495	4,036	8,244			33,000		17,455	13,724	\$85,954
6	Data Collection, Processing, and Analysis	12,523	5,322	4,374			15,000		23,021	11,446	\$71,686
7	Design Commercial Packages for Other Applications	8,926	3,793				8,000		16,407	7,054	\$44,180
8	Technology Transfer Activities						16,000			3,040	\$19,040
9	Production Readiness Plan						12,000			2,280	\$14,280
	Technical Activities Subtotals	\$44,721	\$19,006	\$17,469	\$0	\$0	\$100,000	\$0	\$82,208	\$50,048	\$313,452
			Educa						La Parat		
		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
	PIER Reimbursable Totals	\$62,954	\$26,754	\$30,679	\$0	\$0	\$100,000	\$0	\$115,724	\$63,862	\$399,973
	Percent of the Total	16%	7%	8%	0%	0%	25%	0%	29%	16%	100%

Exhibit B Match Budget

	Match Funding (\$)	Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
Task 1	Project Administration Activities										
1.1	Attend Kick-off Meeting						700				\$700
1.2	Critical Project Review Meetings						6,000				\$6,000
1.3	Final Meeting						1,000				\$1,000
1.4	Monthly Progress Reports						4,000				\$4,000
1.5	Final Report						7,500				\$7,500
1.6	Identify & Obtain Matching Funds						500				\$500
1.7	Identify & Obtain Required Permits						4,500				\$4,500
1.8	Establish the PAC (optional)										\$0
1.9	Conduct PAC Meetings (optional)										\$0
	Administration Activities Subtotals	\$0	\$0	\$0	\$0	\$0	\$24,200	\$0	\$0	\$0	\$24,200
Task	Project Technical Activities										
2	Host Site Agreement	2,408	1,024				2,500		4,427	1,493	\$11,852
3	Design, Engineering, and Fabrication	4,339	1,844				140,000		7,978	2,690	\$156,851
4	Laboratory Validation	29,156	12,392			27,926	6,000	14,500	53,597	26,138	\$169,709
5	Field Unit Installation and Shakedown	3,619	1,538				100,000		6,652	2,244	\$114,053
6	Data Collection, Processing, and Analysis	4,090	1,738	4,374			17,300		7,518	3,367	\$38,387
7	Design Commercial Packages for Other Applications	2,429	1,032				13,000		4,464	1,506	\$22,431
8	Technology Transfer Activities						16,000				\$16,000
9	Production Readiness Plan						11,000				\$11,000
	Technical Activities Subtotals	\$46,041	\$19,568	\$4,374	\$0	\$27,926	\$305,800	\$14,500	\$84,636	\$37,438	\$540,283
		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
	Match Funds Totals	\$46,041	\$19,568	\$4,374	\$0	\$27,926	\$330,000	\$14,500	\$84,636	\$37,438	\$564,483
	Percentage of the Total	8%	3%	1%	0%	5%	58%	3%	15%	7%	100%